

**FACT SHEET  
DYNO NOBEL  
Graham, Muhlenberg County, Kentucky  
EPA ID #KYD 061 557 054, AI#3241**

The Kentucky Energy and Environment Cabinet's (Cabinet), Division of Waste Management (Division) has decided to tentatively issue a hazardous waste Corrective Measures Implementation Plan (CMIP) for Dyno Nobel. The Dyno Nobel facility is located on State Route 175 Graham, Kentucky 42344.

**Purpose of the Corrective Measures Implementation Plan Approval Process**

The purpose of the approval process is to provide KDEP and the public the opportunity to evaluate the proposed CMIP. Department personnel have reviewed the CMIP for technical and regulatory completeness as it pertains to remediating and/or managing contaminated media at the site. KDEP has determined that the actions defined in the CMIP as proposed will meet these requirements and result in protection of human health and the environment. Therefore, tentative approval has been issued and now the public has the opportunity to comment on the proposed action. The public has thirty days to comment on any aspect of the CMIP before KDEP makes a final decision.

**Facility Description**

The Dyno Nobel property encompasses 616 acres of land west of Graham, Kentucky. Two main manufacturing processes are conducted at the facility. These are the operations involved in manufacturing the high explosive pentaerythritol tetranitrate (PETN) and detonating cord which contains PETN, cyclotrimethylene trinitramine (RDX) and other explosives.

Over the course of several years, a RCRA Facility Investigation (RFI) was conducted at the facility with the purpose of determining the nature and extent of contamination at the site. This resulted in the identification of three areas that need remedial action and/or management. These areas are identified as the following:

- Area of Concern (AOC) "A" – Former 500 Gallon Gasoline Underground Storage Tank
- Solid Waste Management Unit (SWMU) 19 – Wet Well
- Solid Waste Management Unit (SWMU) 20 – Evaporation Pond

AOC A was utilized to store gasoline and was taken out of service in 1988. Sampling conducted as part of the RFI revealed that soils in the area were contaminated with ethylbenzene, benzene and vinyl chloride. Dyno Nobel will attempt to excavate soils that are contaminated with these constituents at levels above those deemed acceptable for residential land use. These soils will be disposed of at a permitted off-site landfill. Once excavation is complete, the pit walls and floor will be sampled to verify that all soils contaminated above acceptable limits have been removed. If Dyno Nobel is unable to remove all soils contaminated above the residential land use standard, an environmental covenant will be submitted that restricts use of this portion of the property to industrial operations. Should this be necessary, another public notice will be issued.

SWMU 19 is a sump used in the wastewater treatment process. Releases from this sump have resulted in contaminated soils in the vicinity of the sump. The soils here contain PETN above levels allowed for residential property use, but are below concentrations that require removal, treatment or capping under an industrial land use scenario. The company will have a legal document known as an environmental covenant in place that restricts use of this portion of the property to anything but industrial applications.

### **Procedures for Reaching a Final Decision**

Any person interested in commenting on the CMIP must do so within the thirty (30) day comment period discussed above. Title 401 Kentucky Administrative Regulations chapter 38 requires that the public be given a thirty (30) day comment period for each permit prepared under Kentucky Revised Statutes. The comment period begins on (Enter Beginning Comment date), coincident with the date of the publication of the public notice in (Enter Name of Newspaper) and ends on (Enter ending date). Anyone wishing to submit a comment on or before midnight of (Enter ending date), 15 days after the public comment period begins, needing additional information, or wanting to be put on the facility mailing list should send electronic comments to Kelly Neal at [kelly.neal@ky.gov](mailto:kelly.neal@ky.gov) or mail April Webb, P.E., Branch Manager, Division of Waste Management, Hazardous Waste Branch, 200 Fair Oaks Lane, Frankfort KY 40601. The administrative record, which includes the permit and related information, can be reviewed at two locations:

Harbin Memorial Library  
117 South Main Street  
Greenville, KY 42345

Hours of operation:

Monday 9:00 a.m. - 8:00 p.m.,

Tuesday-Friday 9:00 a.m. - 5:00 p.m.

Saturday 9:00 a.m. -1:00 p.m.

Division of Waste Management

200 Fair Oaks Lane

Frankfort, KY 40601

Point of Contact: Tina Fisher

Phone: (502) 564-6716 Fax (502) 564-9232

Email: [tina.fisher@ky.gov](mailto:tina.fisher@ky.gov)

Hours of Operation:

Monday-Friday 8:00 a.m.-4:30 p.m.

To make an appointment, submit a written request to Ms. Tina Fisher at least 72 hours prior to the desired review date. Copying charges are .10 cents per page and \$3 for each map. Upon request, this information can be made available in alternative formats.

The Division provides, on request, reasonable accommodations necessary to afford an individual with a disability an equal opportunity to participate in all services, programs and activities. To request alternative formats for printed information, and/or to be placed on the Hazardous Waste Branch's mailing list to receive updates on this matter, contact Kelly Neal at (502) 564-6716 Ext. 4684.

The Cabinet will consider all comments received during the comment period and release a Response to Comments document. All significant comments and Cabinet response to comments on the permit will be included in the Response to Comments document. Any person, who may be aggrieved by the issuance of the hazardous waste permit for this facility, may file with the Cabinet a petition, which sets forth the grounds of the objection and demands for a formal administrative hearing pursuant to KRS 224.10-420(2). The administrative hearing is held before a hearing officer and all parties are advised to have legal counsel present. The Cabinet will hold a public hearing if requested.